

Title (en)

COMPOSITIONS, METHODS, AND ARTICLES RELATING TO IN-SITU CROSSLINKING OF POLYAMIDES DURING ADDITIVE MANUFACTURING

Title (de)

ZUSAMMENSETZUNGEN, VERFAHREN UND ARTIKEL ZUR IN-SITU-VERNETZUNG VON POLYAMIDEN IN DER GENERATIVEN FERTIGUNG

Title (fr)

COMPOSITIONS, PROCÉDÉS ET ARTICLES RELATIFS À LA RÉTICULATION IN SITU DE POLYAMIDES PENDANT LA FABRICATION ADDITIVE

Publication

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Application

EP 21209709 A 20211122

Priority

US 202017104365 A 20201125

Abstract (en)

Particles may be produced that comprise an unsaturated polyamide and an initiator. Said particles may be used in additive manufacturing methods that comprise: depositing the particles optionally in combination with other thermoplastic polymer particles upon a surface; and once deposited, heating at least a portion of the particles to promote consolidation thereof and crosslinking of the unsaturated polyamide, thereby forming a consolidated body comprising a crosslinked polyamide.

IPC 8 full level

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Citation (applicant)

- "Handbook of Thermoplastic Elastomers", 1988, VAN NOSTRAND REINHOLD
- S.R. WILSONR.A. SAWICKI, J. ORG. CHEM., vol. 44, 1979, pages 287 - 291

Citation (search report)

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- [X] CN 104194326 A 20141210 - LIHE WUHAN NEW CHEMICAL MATERIALS CO LTD
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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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